

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Cheong-Dam SONG

Serial No.: 10/586,575

Filed: July 19, 2006

For: A CONDENSER MICROPHONE  
MOUNTABLE ON MAIN PCB

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371  
IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

Mail Stop PCT  
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S I R:

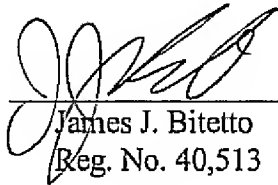
In order to complete the filing of missing requirements for the above-identified application, applicant(s) submit(s) herewith the following:

- [x] Copy of Notification of Missing Requirements under 35 U.S.C. 371 in the US Designated//Elected Office (DO/EO/US).
- [x] Executed Declarations and Powers of Attorney. The application filed in the U.S. Patent and Trademark Office is the application which the inventor(s) executed by signing the enclosed Declaration. A copy of the latest bibliographic data on file with the International Bureau showing all the inventors in this U.S. National Stage Application is attached

- [x] The office is authorized to charge applicant's Attorney's Deposit Account No. 50-1433 in the amount of \$65.00 to cover the late filing of the Declaration and Power of Attorney, as required by 37 CFR 1.497(a) and (b).

Respectfully submitted,  
KEUSEY, TUTUNJIAN & BITETTO, P. C.

Date: 8-11-08

By:   
James J. Bitetto  
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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/586,575	C.-Dam Song	240-40

24336  
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KT & B

INTERNATIONAL APPLICATION NO.	
PCT/KR04/02526	
I.A. FILING DATE	PRIORITY DATE
10/01/2004	01/20/2004

CONFIRMATION NO. 8057  
371 FORMALITIES LETTER



Date Mailed: 06/17/2008

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371  
IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- Indication of Small Entity Status
- Priority Document
- Copy of the International Application filed on 07/19/2006
- Copy of the International Search Report filed on 07/19/2006
- Copy of IPE Report filed on 07/19/2006
- Preliminary Amendments filed on 07/19/2006
- U.S. Basic National Fees filed on 07/19/2006
- Priority Documents filed on 07/19/2006
- Specification filed on 07/19/2006
- Claims filed on 07/19/2006
- Abstracts filed on 07/19/2006
- Drawings filed on 07/19/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is \$65 for a Small Entity:

- \$65 Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.

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For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

DEBORAH D WILLIAMS

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**(WO/2005/069681) A CONDENSER MICROPHONE MOUNTABLE ON MAIN PCB**

Biblio. Data    Description    Claims    National Phase    Notices    Documents

Latest bibliographic data on file with the International Bureau



Pub. No.: WO/2005/069681    International Application No.: PCT/KR2004/002526  
Publication Date: 28.07.2005    International Filing Date: 01.10.2004

IPC: H04R 19/04 (2006.01)

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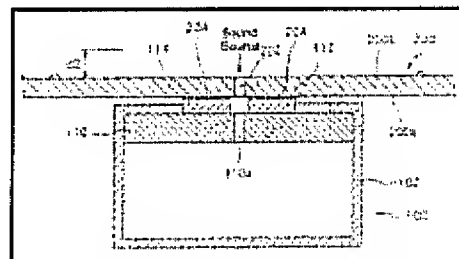
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Priority Data: 10-2004-0004250 20.01.2004 KR

Title: A CONDENSER MICROPHONE MOUNTABLE ON MAIN PCB

Abstract: A condenser microphone mountable on a main PCB is disclosed. The condenser microphone of the present invention comprises a cylinder-shaped case having one side which is opened and the other side which is closed; a first metal ring inserted into the case for an electrical connection; a disk-shaped back plate having a sound hole to be connected electrically to the case through the first metal ring; a ring-shaped spacer; a cylinder-shaped insulating ring having an open top part and an open bottom part to provide an electrical insulation and a mechanical support; a diaphragm inserted into the insulating ring and facing to the back plate while interposing the spacer between the diaphragm and the back plate; a second metal ring for being connected electrically to the diaphragm and supporting mechanically the diaphragm; and a PCB that is mounted with electronic components and is formed with a sound hole, the PCB being connected to the back plate through the second metal ring and the case, the PCB including connection terminals connected to the outside. Accordingly, the condenser microphone maintains the sound quality in a good state since the sound wave transfer path is short even if the component mount region of the main PCB on which the condenser microphone is mounted is directed toward an inner side of the electronic product at need.



Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.  
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European Patent Office (EPO) (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR)  
African Intellectual Property Organization (OAPI) (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Publication Language:**

English (EN)

**Filing Language:**

Korean (KO)